SIEMENS

MAMMOMAT 1000/3000/3000 Nova

SP

Service

Repair Instructions

Replacement of metal curtains, wires, wire wheels and spring

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General

This document describes how to exchange the upper and the lower curtain, the wires, the wire wheels and the spring at a MAMMOMAT 1000/3000/3000 Nova.

The upper curtain kit with part no. 65 22 291 contains the following parts:

Article	Quantity	Part no.	See page
Upper curtain	1	64 82 934	2 - 2
Repair Instructions (this document)	1	65 58 758	

The lower curtain kit with part no. 65 22 317 contains the following parts:

Article	Quantity	Part no.	See page
Lower curtain	1	64 82 942	2 - 2
Repair Instructions (this document)	1	65 58 758	

The wire kit with part no. 64 83 346 contains the following parts:

Article	Quantity	Part no.	See page
Wire	2	64 82 496	2 - 8
Spring	1	63 46 647	2 - 16
Repair Instructions (this document)	1	65 58 758	

The wire wheel kit with part no. 64 83 296 contains the following parts:

Article	Quantity	Part no.	See page
Wire wheel	2	64 62 118	2 - 12
Spacer	2	64 82 470	2 - 12
Locking ring	2	60 35 810	2 - 12
Screw	2	60 24 079	2 - 12
Washer	3	69 67 731	2 - 12
Washer	1	62 05 467	2 - 12
Washer	2	65 87 422	2 - 12
Repair Instructions (this document)	1	65 58 758	

Tools required

- Standard service equipment

Time required

Approximately 1 hour / 1 person.

Safety information

⚠WARNING	**The edges of the metal curtains are very sharp and may cause severe injury.**
⚠WARNING	**When mounting the stand covers, make sure the screws at the top of the stand are securely tightened and have functioning contact washers. These screws are used to establish protective ground connections.**

Dismounting

1. Remove the cap.
2. Remove the stand covers.
3. Move the lifting carriage (1/Fig. 1). The distance between the upper part of the lifting carriage and the top of the MAMMOMAT must be 625±2 mm (Fig. 1).

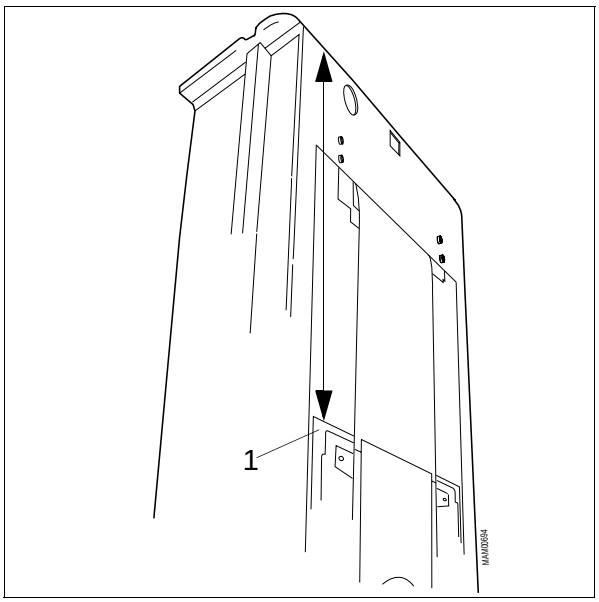

Fig. 1

Exchange upper and/or lower curtain

The information written in parenthesis are valid during the exchange of lower curtain. The figures explains how to exchange the upper curtain.

1. Follow the work procedure described in the chapter "Dismounting", Page 2 - 1.
2. To secure the lower (upper) curtain from falling down during the exchange of upper (lower) curtain, place e.g. a screwdriver in a suitable hole of the curtain holder and let the screwdriver lean against the stand (Fig. 2)

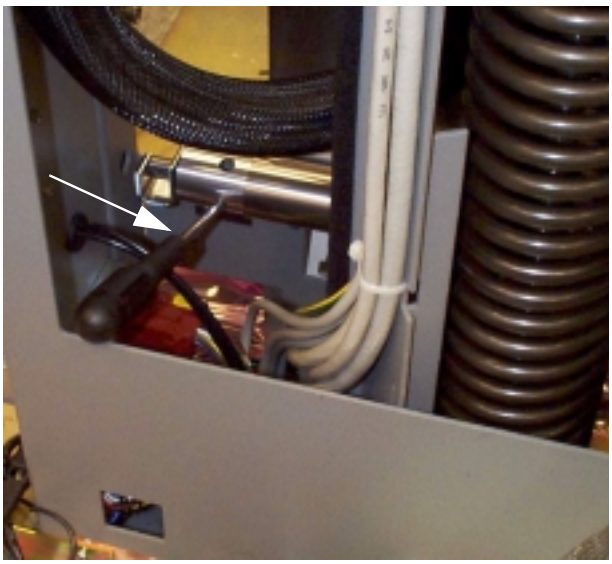

Fig. 2

3. Loosen the lower wire wheel (1/Fig. 3).

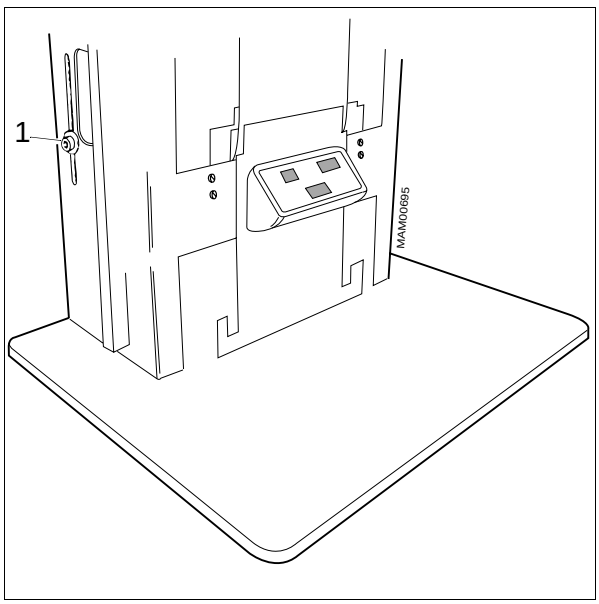

Fig. 3

4. Secure the lower (upper) wire from falling down e.g. with a cable tie (Fig. 4).

Fig. 4

5. Loosen the upper (lower) wire from the spring.
6. Remove the protective ground cable for the upper (lower) curtain (Fig. 5).

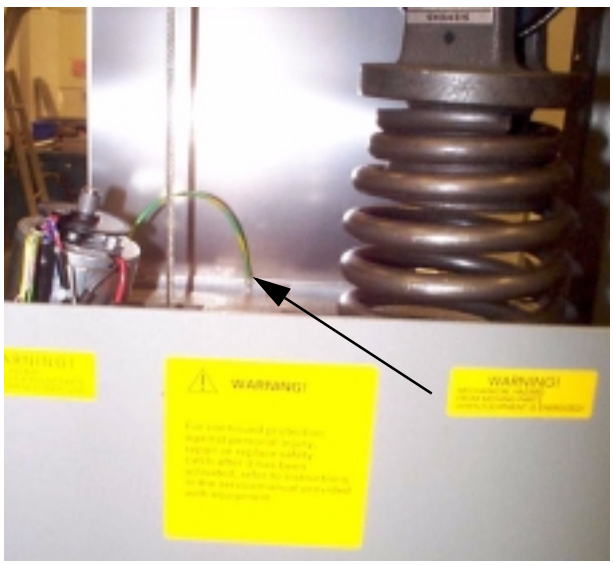

Fig. 5

7. To unhook the curtain, pull the curtain down (up) and push it to one side.

8. Loosen four screws to remove the upper (lower) curtain (1/Fig. 6).

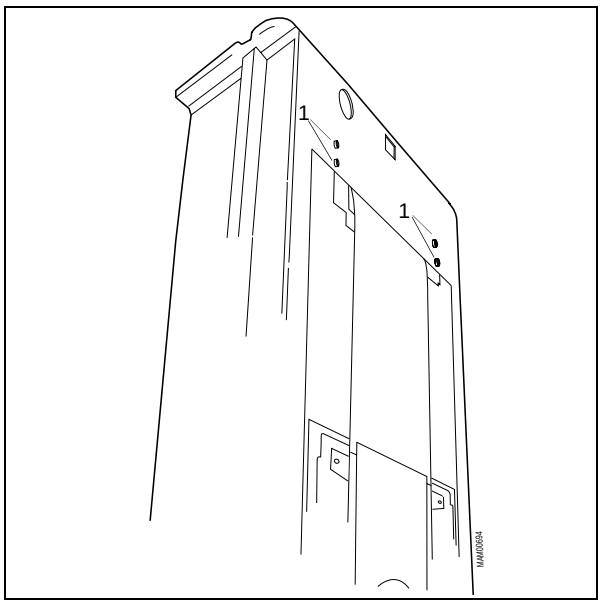

Fig. 6

⚠WARNING **The edges of the metal curtains are very sharp and may cause severe injury.**

9. Mount the new curtain with the four screws and hook-up. The upper and lower curtain locks different, be sure to use the right one. It is also important that the curtain holder is turned right (Fig. 7).

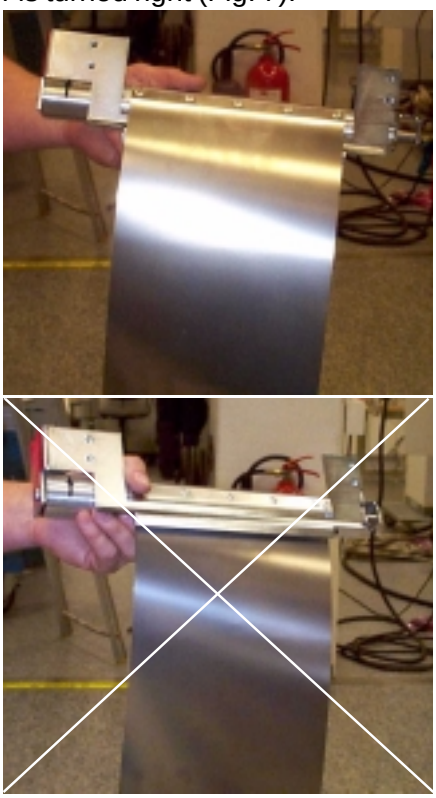

Fig. 7

10. Place two screwdrivers alternately into the holes of the upper (lower) curtain holder and wind up the curtain holder bit by bit.
11. Secure the upper (lower) curtain with a screwdriver (Fig. 8).

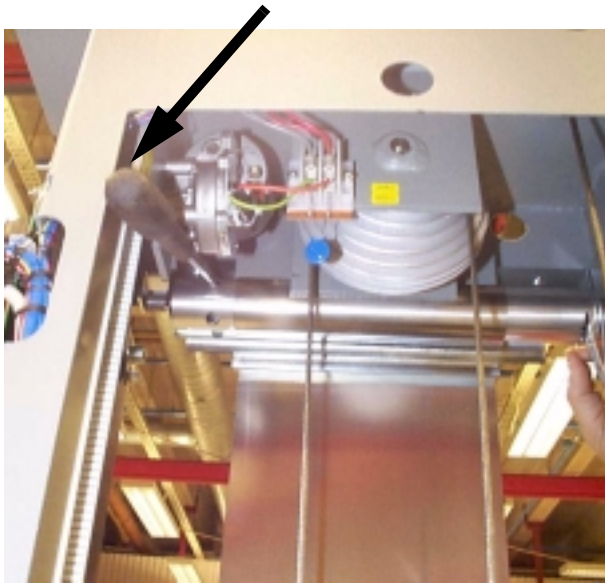

Fig. 8

12. Attach the wire to the curtain holder and wind the wire:
    - 4.75 turns for the upper curtain (1/Fig. 9).
    - 4.5 turns for the lower curtain (2/Fig. 9).

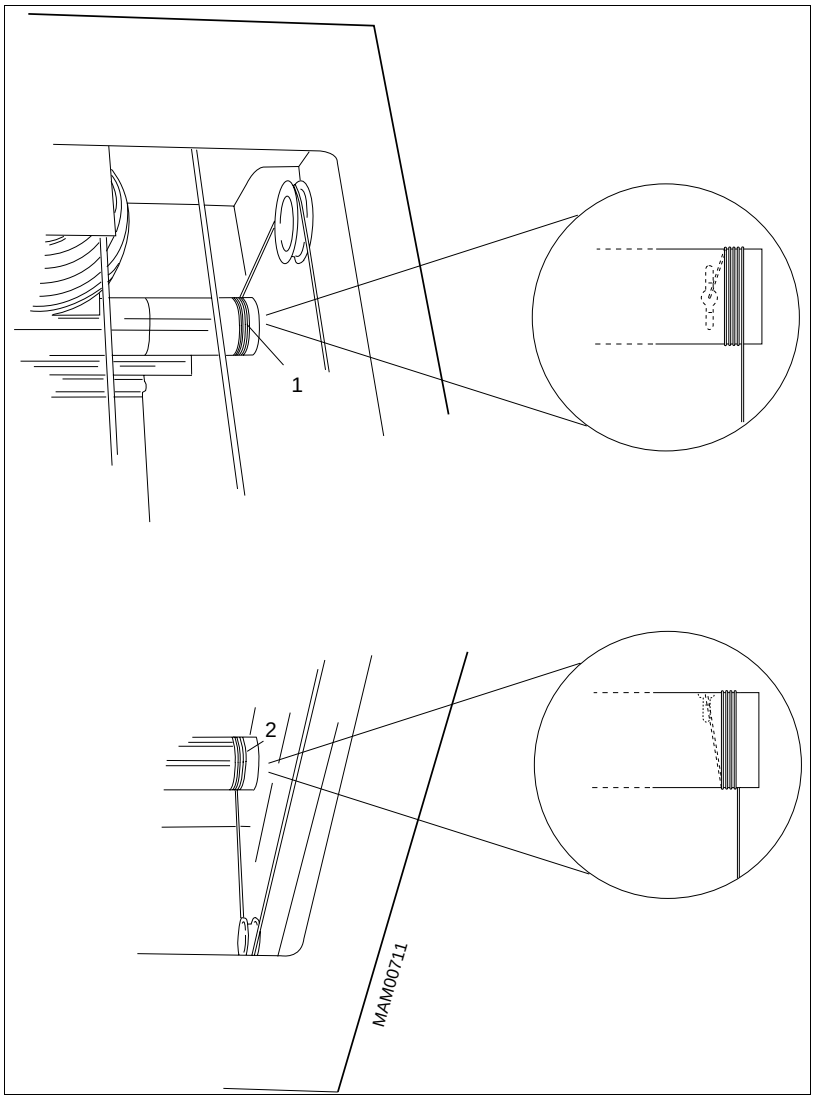

Fig. 9

13. Attach the wire to the spring.
14. Remove the securing screwdrivers.

15. Tighten the wire wheel until the length of the spring is 160±5 mm (Fig. 10).

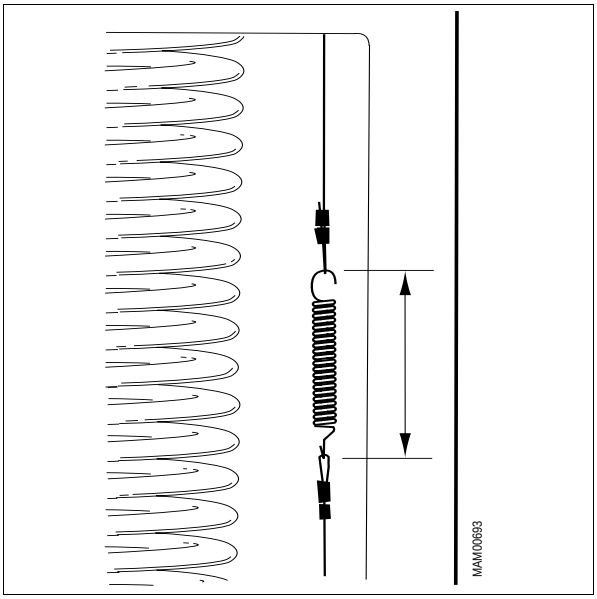

Fig. 10

16. Fit the stand covers.
17. Fit the cap.
18. Move the curtain up and down to check the function.

Exchange upper and/or lower wire

The information written in parenthesis are valid during the exchange of lower wire.
The figures explains how to exchange the upper wire.

1. Follow the work procedure described in the chapter "Dismounting", Page 2 - 1.
2. To secure the upper and lower curtains from falling down during the exchange of upper and/or lower wire, place e.g. screwdrivers in suitable holes of the curtain holders and let the screwdrivers lean against the stand (Fig. 11)

Fig. 11

3. Loosen the wire wheel (1/Fig. 12).

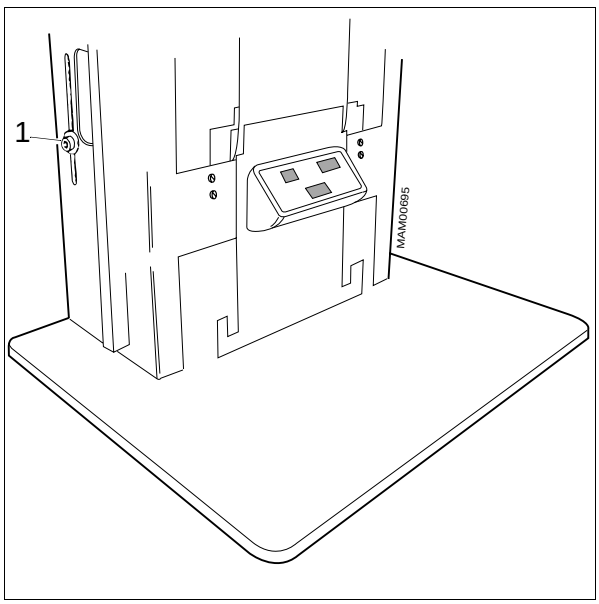

Fig. 12

4. Secure the lower (upper) wire from falling down e.g. with a cable tie (Fig. 13).

Fig. 13

5. Loosen the upper (lower) wire from the spring and from the curtain holder.

6. Attach the new wire to the curtain holder and wind the wire:
   - 4.75 turns for the upper curtain (1/Fig. 9).
   - 4.5 turns for the lower curtain (2/Fig. 9).

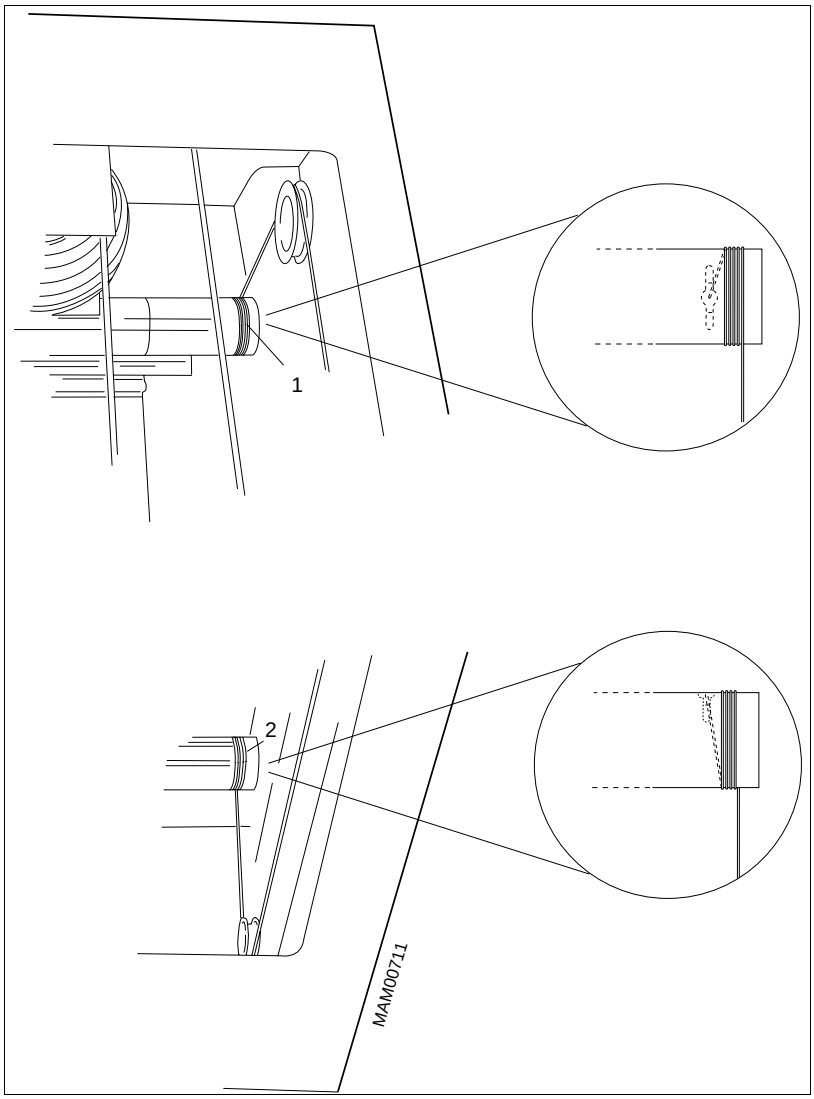

Fig. 14

7. Attach the new wire to the spring.
8. Remove the securing screwdrivers.

9. Tighten the wire wheel until the length of the spring is 160±5 mm (Fig. 10).

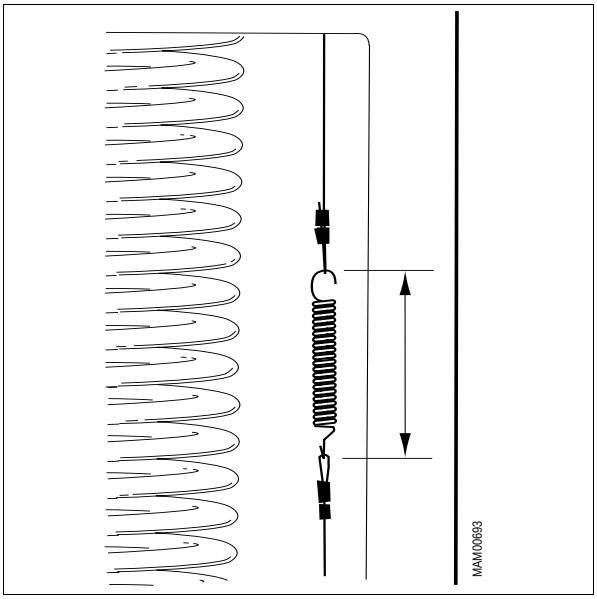

Fig. 15

10. Fit the stand covers.
11. Fit the cap.
12. Move the curtain up and down to check the function.

Exchange upper and/or lower wire wheel

The information written in parenthesis are valid during the exchange of lower wire wheel. The figures explains how to exchange the upper wire wheel.

1. Follow the work procedure described in the chapter "Dismounting", Page 2 - 1.
2. To secure the upper and lower curtains from falling down during the exchange of upper and/or lower wire, place e.g. screwdrivers in suitable holes of the curtain holders and let the screwdrivers lean against the stand (Fig. 16)

Fig. 16

3. Loosen the wire wheel (1/Fig. 17).

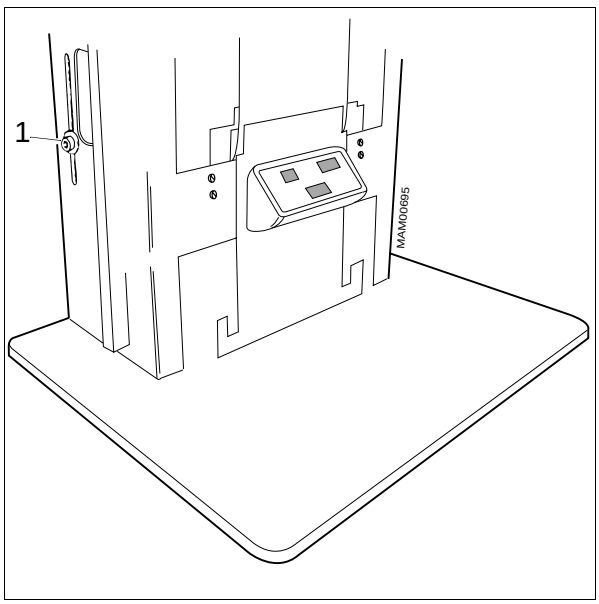

Fig. 17

4. Secure the lower (upper) wire from falling down e.g. with a cable tie (Fig. 18).

Fig. 18

5. Loosen the upper (lower) wire from the spring.
6. Exchange the upper (lower) wire wheel with the new one.

7. Make sure the wire is turned:
   - 4.75 turns for the upper curtain (1/Fig. 9).
   - 4.5 turns for the lower curtain (2/Fig. 9).

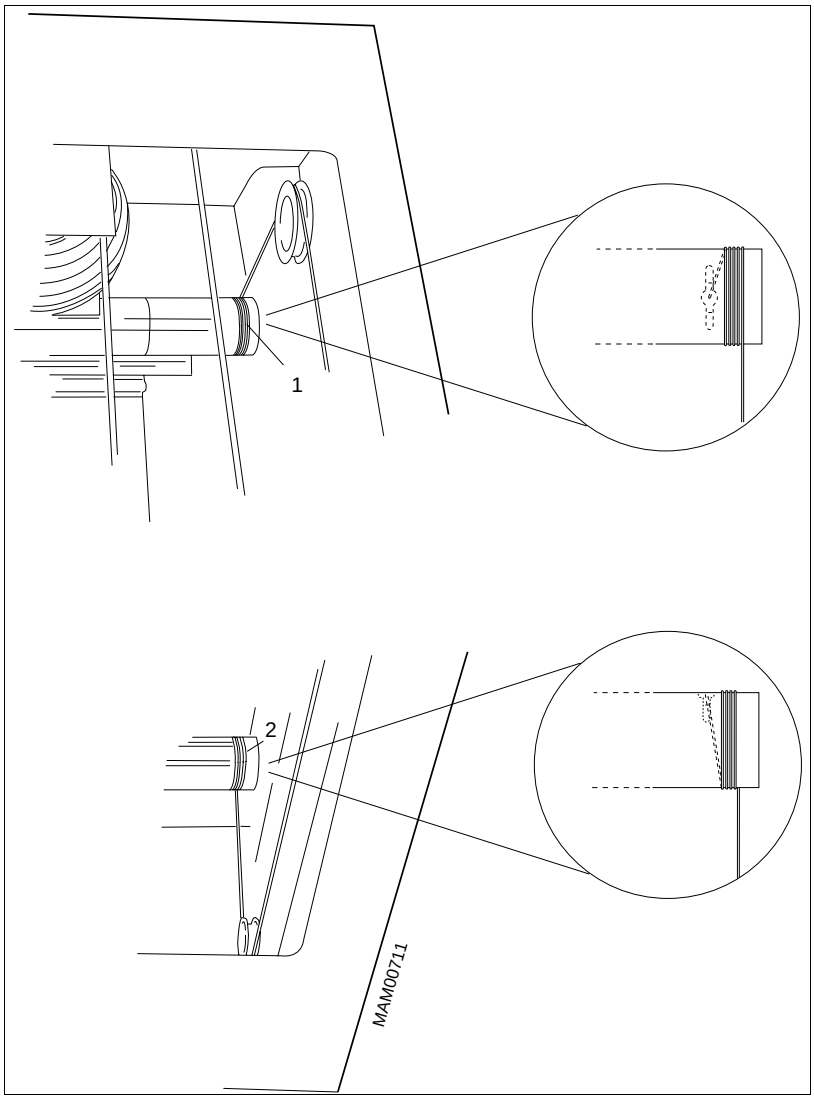

Fig. 19

8. Attach the wire to the spring.
9. Remove the securing screwdrivers.

10. Tighten the wire wheel until the length of the spring is 160±5 mm (Fig. 10).

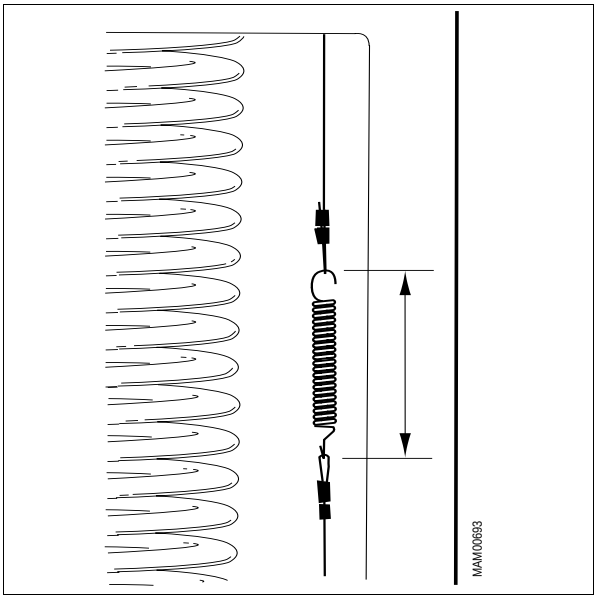

Fig. 20

11. Fit the stand covers.
12. Fit the cap.
13. Move the curtain up and down to check the function.

Exchange spring

1. Follow the work procedure described in the chapter "Dismounting", Page 2 - 1.
2. To secure the upper and lower curtains from falling down during the exchange of spring, place e.g. screwdrivers in suitable holes of the curtain holders and let the screwdrivers lean against the stand (Fig. 16)

Fig. 21

3. Loosen the wire wheel (1/Fig. 17).

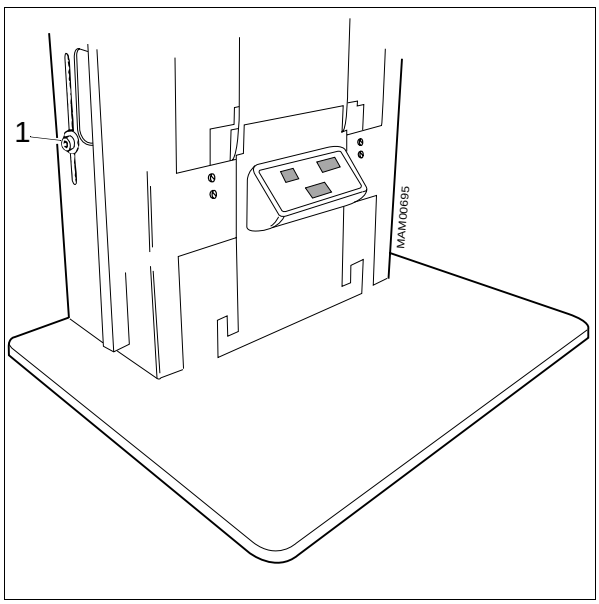

Fig. 22

4. Exchange the spring with the new spring.

5. Make sure the wire is turned:
   - 4.75 turns for the upper curtain (1/Fig. 9).
   - 4.5 turns for the lower curtain (2/Fig. 9).

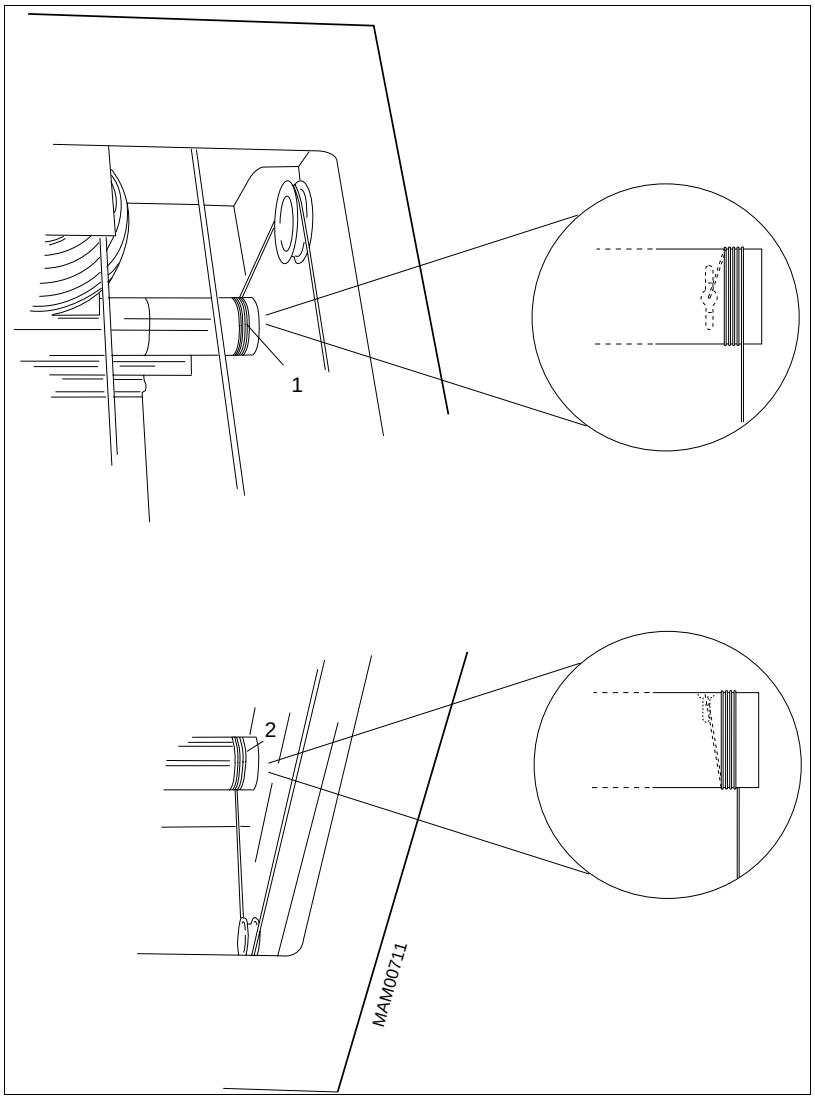

Fig. 23

6. Remove the securing screwdrivers.

7. Tighten the wire wheel until the length of the spring is 160±5 mm (Fig. 10).

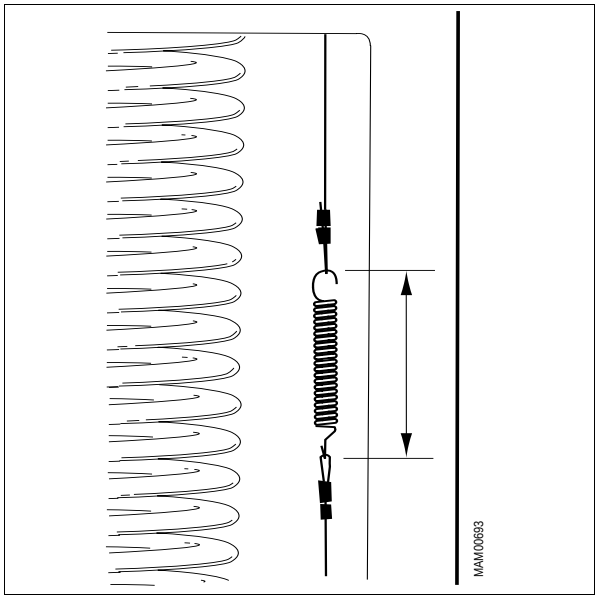

Fig. 24

8. Fit the stand covers.
9. Fit the cap.
10. Move the curtain up and down to check the function.